

Effect of Definite Elements on Sulphur Solubility
in Molten Iron, by Z. Buzak, V. Schindlerova.
CZECH, par. Hutn Listy, Vol 24, No 7, 1969,
pp 493-497.
BISI 7959

Sci-Mat
Jul 70

Effect of Some Elements on Sulphur Activity,
by Z. Buzek,
CZECH, per. Hutn. Listy, Vol 24, No 7, 1969,
pp 498-509.
BISI 7960

Sci/Mat
Sep 70

Notes on the Optimal Method of Processing
Return Sinter, by J. Hanc1 and R. Scholz,
CZECH, per. Hutn. Listy, Vol 24, No 8,
1969, pp 553-557.
BISI 8075

Sci/Mat
Oct 70

The Role of Rare-Earth Elements in Carbon Spring
Steel Production, by F. Benes.

CZECH, par, Huta. Listy, Vol 24, No 376, 1969,
pp 561-570.

BISI 7918

Sci/Mat
Jan 71

Possibilities of Rapid Reheating High-Carbon
Alloy Steel Billets, by M. Redr, et al.
CZECH, per, Hutn Listy, Vol 24, No 8, 1969,
pp 571-580.
BISI 8076

Sci-Mat
Dec 70

Experimental Teeming of Electric Steel Through
Cross-Shaped Nozzles, by V. Marosznyk and
K. Polach,
CZECH, per. Rutn. Listy., Vol 24, No 9, 1969,
pp 632-634,
*BISI 8077

Sci/Mat
Mar 70

Corrosion Resistant Austenitic CrNiSteels with
very Low Carbon Content, by M. Zexulova and
J. Petrmánova,
CZECH, per. Hutn. Listy., Vol 24, No 9, 1969,
pp 635-640,
*BISI 8078

Sci/Nat
Mar 70

Effect of Deoxidation on Fatigue Limit of
Martensitic Steel Wires, by F. Benes
CZECH, per, Intn. Listy, Vol 24, No 9, 1969,
pp 640-649
*BISI 7972

sci/materials
feb 70

Effect of Temperature, Chemical Analysis and
Structure Conditions on Hot Yield Stress of
Steels, by M. Zidek, et al.
CZECH, per, Hutn Listy, Vol 24, No 9, 1969,
pp 650-657,
BISI 8080

Sci-Mat
Dec 70

Process Control of Blast Furnace Burdening, by
M. Prouza,
CZECH, per, Hutn Listy, Vol 24, No 10, 1969,
pp 691-695.
*BISI 8337

Sci-Mat
June 70

Experience with Run-Out Slag Pockets in
Open-Hearth Furnaces, by J. Smetana,
CZECH, per. Hutn. Listy, Vol 24, No 10,
1969, pp 696-698.
BISI 8407

Sci/Mat
Oct 70

Using Nitrogen as Alloying Addition in Corrosion-
Resisting Austenitic Steels, by K. Lobl.
CZECH, par, Hutn Listy, Vol 24, No 10, 1969,
pp 699-706.
*BISI 8408

Sci-Mat
Jul 70

Notes on Decarburization of Carbon Steel Wires,
by F. Benes.
CZECH., per, Hutn. Listy., Vol 24, No 10, 1969,
pp 707-711.
HISI 7973

sci/mat
nov 70

Studing Pressures in Hot Rolling of
Medium-Alloy Steels, by J. Pocta,
CZECH, per. Hutn. Listy, Vol 24, No 10,
1969, pp 712-717.
BISI 8338

Sci/Mat
Feb 71

Computer Application in Heavy Plate Rolling
Mills, by L. Jilek,
CZECH, per. Hutn. Listy, Vol 24, No 10,
1969, pp 718-720.
BISI 8409

Mar 71

Applying the Kerr Effect to the Study of Domain
Structure in Electrical Sheets, by J. Vana,
E. Janda.

CZECH, per, Hutn Listy, Vol 24, No 10, 1969,
pp 721-726.

BISI 8405

Sci-Mat

Dec 70

Making Alloyed Steels in Open-Hearth Furnaces,
with Application of Semi-Diffusion Deoxida-
tion, by J. Chvojka,
CZECH, per. Hutn. Listy, Vol 24, No 11, 1969,
pp 758-765.
BISI 8225

Mar 71

Blowing of Argon and Stainless Steel Bath
Homogenization in 30-t Akr Furnace, by M. Banda,
CZECH, per. Rutn. Listy, Vol 24, No 11, 1969,
pp 766-773.
*BIBI 8226

Sci/Mat
Apr 70

Increased Yield Rate of Round Ingots Used for
Pipe Production, by J. Chvohka
CZECH, per. Hutn. Listy, Vol 24, No 11, 1969,
pp 774-780.
BISI 8227

Effect of Variation in Chemical Analysis
of Sinter on Uniformity of Composition of
Open Hearth Pig Iron, by L. Tajar and
K. Havlicek,
CZECH, per. Hutn. Listy., Vol 24, No 12,
1969, pp 838-842.
BISI 8331

Sci/Mat
Oct 70

Model Research of the Aerodynamics of Flame and
Combustion Products in Open Hearth Furnace, by
M. Gottwald.
CZECH, per, Hutnicke Listy, Vol 24, 1969, pp 843-
849.

NTC-71-11926-21B

BT 833.2

Nov 71

Some Problems in Development of Steels for
Cast Dies, by S. Drapel,
CZECH, per. Hutn. Listy, Vol 24, No 12, 1969,
pp 850-856.
BISI 8333

Establishing the Effect of Surface Energy
in Secondary Recrystallization of Oriented
Transformer Strip, by J. Ulmann,
CZECH, per. Hutn. Listy., Vol 24, No 12,
1969, pp 857-863.
BISI 8334

Sci/Physics
Oct 70

New Electrical Steel Types Manufactured in
Czechoslovakia, by O. Moravek.
CZECH, per, Horn Listy, Vol 25, No 2, 1969,
pp 115-123.
*BISI 8391

Sci-Mech
Jne 70

A Contribution to the Theory of Sulphur Solution
in Iron, by J. Trull.
CERN, per. Reinhold, Vol 25, No 1, 1970,
pp 16-18.
*NISI 8679

Sci-Mat
Oct 70

Complex Measurements on Main Parameters in
Operation of 1150 Blooming Mill, by
J. Konvický,
CZECH, per. Hutn Listy, Vol 25, No 1, 1970,
pp 19-25.
BISI 8732

Sci/Mat
Feb 71

Importance of the Interlayer for the Corrosion
Protection of Tins with Various Fillings, Made
from Hot-Dipped and Electrolytic Tinplate,
by J. Teindl,
CZECH, per. Hutn. Listy, Vol 25, No 1, 1970,
pp 26-32.
BISI 8733

June 71

Substitute Peals and Their Importance in the
Elast Furnace, by P. Moreinak.

CZECH, per, Hata Listy, Vol 25, No 2, 1970,
pp 73-77.

BISI 8388

Sci-Mat
Dec 70

Analyzing Ingot Rolling Process by Modelling in
Laboratory Conditions, by Z. Zamyslovsky,
CZECH, per. Hutn. Listy, Vol 25, No 2, 1970,
pp 87-95.
BISI 8389

June 71

Effect of Chromium and Nickel on Recrystallization
Kinetics of Austenite After Hot Deformation, by
J. Hlilmark.

CZECH, per. Hahn Listy, Vol 25, No 2, 1970,

pp 96-102.

BISI 8390

Sci-Mat
Dec 70

New Magnetically Soft Steel Produced in
Czechoslovakia. by O. Moravak.
CZECH, per. Huta Listy, Vol 25, No 2, 1970,
pp 115-123.
NISI 8391

Sci-Mat
Dec 70

V. Masek

Emissions in Coking Plants.
CZECH, per, Hutnicke Listy, Vol 25, No 3, 1970,
pp 149-153
NTC 72-12726-13B

sept 72

Effect of Recrystallization of Hot Form-
ability of Steel, by J. Rasmussen,
CERN, per. Natn. Listy, Vol 25, No 3, 1970,
pp 165-169.
BISI 8469

Mar 71

Model Establishment of the Degree of Surface
Covering in Shot Blasting of Sheets,
by J. Buzs,
CHECH, per. Hutn. Listy, Vol 25, No 3, 1970,
pp 170-174.
RISI 8470

Mar 71

General Features of Stress Corrosion, by
C. Lang and E. Teindl,
CERN, par. Hutn. Listy, Vol 25, No 3, 1970,
pp 175-178.
BISI 8471

Mar 74

Reduction of Haematite Pellets by Carbon Mon-
oxide and the Kinetics thereof, by J. Leitner,
CZECH, per. Hutn. Listy, Vol 25, No 4, 1970,
pp 211-221.
BISI 8599

Jul 71

Note on the Problem of Cracks Occurring in the
Continuous Casting of Carbon Steels, By J. Skala
and J. Vrsek,
CZECH, per. Hutn. Listy, Vol 25, No 4, 1970,
pp 228-234.
BISI 8600

June 71

A New Method of Manufacturing Billets for Bearing Balls and Smaller Ball-Bearing Rings, by J. Jech, et al. 12 pp.
CZECH, per, Havnicka Listy, Vol 25, No 4, 1970, pp 234-238.
AIR/FTD-HT-23-30-71

Aug 71

Evaluating Methods for Computing Mean Per Unit
Pressure in Primary Rolling Mills, by
K. Styblo.
CENEX, per, Data List, No 4, 1970, pp 239-246.
ORISI 8001

Sci-Mat
Sep 70

Problems in Automation of Metallurgical Process
by K. Bocek,
CZECH, per. Hutn. Listy, Vol 25, No 4, 1970,
pp 247-253.
BISI 8602

Effect of pH Factor on Stress Corrosion of 18
Ni Maraging Steels in 3.5% Sodium Chloride,
by C. Lang.
CERCH, per, Engr Listy, No 4, 1970, pp 254-258,
*EISI 8603

Sci-Mat
Sep 70

REQ TR CHECK

19-11-3

BR70-2247

Effect of Mass Failure on Fatigue Defects in
Bearing Balls

Waczlaw, K.; Jezik, K. et al.

Czech: Hutnicke Listy, 1970, vol 25, nr.5
pgs. 329-334

In process as

HT-23-71-94

*neg
22.10*

Effects of Working Parameters in Induction Surface Hardening of Rolls for Cold Rolling,
by J. Zlatnikova and I. Zlatnik,
CZECH, per. Hutn. Listy, Vol 25, No 5, 1970,
pp 335-342.
BISI 8663

Regulation of the Thermal State of a Blast
Furnace by Means of a Computer in K.G. Vitkovice
Steel Company, by P. Morcink,
CZECH, per. Hutn. Listy, Vol 25, No 6, 1970,
pp 377-381.
BISI 8714

Jun 71

State-of-the - Art in Tandem Furnace Process,
by L. Sajch,
CZECH, per. Hutn. Listy, Vol ³⁵ ~~35~~, No 6, 1970,
pp 387-389.
BISI 8716

June 71

Applying Monte Carlo Simulation to Steel-
making Process Organization, by S. Placek,
CIECH, per. Hutn. Listy, No 6, 1970,
pp 390-392.
*BISI 8715

Sci/Math
Oct 70

Spreading of Carbon Steels in Hot Rolling,
by M. Zidek and J. Pocta, ²⁵
CZECH, per. Hutn. Listy, Vol 35, No 6, 1970,
pp 393-397.
BISI 8717

Physico-Chemical Conditions of Some Reactions in
the C-H Ironmaking Process, by M. Maly, and
D. Ochođnický,
CZECH, per. Hutn. Listy, Vol 25, No 7, 1970,
pp 449-452.
BISI 8783

June 71

Computational Technique in the Control of an
Oxygen Converter Steel Plant, by J. Toth,
CZECH, per. Hutn. Listy, Vol 25, No 7, 1970,
pp 458-467.
BISI 8784

Aug 71

Hot Formability of Steel with 1.25% C, by
V. Dedek,
CZECH, per. Hutn. Listy, Vol 25, No 7, 1970,
pp 468-476.
BISI 8785

June 71

Conditions for Establishing the Natural Deformation Resistance in Hot Forming, by
M. Zidek and M. Hajduk,
CZECH, per. Hutn. Listy, Vol 25, No 7, 1970,
pp 477-484.
BISI 8786

Aug 71

Effects of Chemical and Structural Inhomogeneity
on Defects Occurring on the Edges of Silicon
Strips Hot Rolled on Continuous Mills,
by V. Smid and Z. Bembenek,
CZECH, per. Hutn. Listy, Vol 25, No 7, 1970,
pp 485-491.
BISI 8787

Normal Anisotropy and Deep-Drawability of
Steel Sheet, by E. Koutsky,
CZECH, per. Hutn. Listy, Vol 25, No 7, 1970,
pp 492-496.
BISI 8763

A Note on the Characteristic Properties of
Inclusions in CrNi Mo Steels with Defective
Fracture, by F. Jandos and K. Stransky,
CZECH, per. Hutn. Listy, Vol 25, No 7, 1970,
pp 497-501.
BISI 8789

Strength of Sinter Made From Siderite Concentrate,
by H. Lvova.
CZECH, per, Hutn Listy, No 9, 1970, pp 606-609.
BISI 9034

Nov 71

Coke of Uniform Quality, by K. Medricky.
CZECH, per, Hutn Listy, No 9, 1970, pp 610-614.
BISI 9035

Nov 71

Corrosion Resistance of Low Carbon Mn Si/Cr Steel
Under Pressure, by C. Lang, et al.
CZECH, per, Hutn Listy, No 9, 1970, pp 645-649.
BISI 9038

Nov 71

New Line Installed for Coating of Rolled
Products, by Frantisek Cihak, Ladislav Sajch,
11 pp.

GOVERNMENT USE ONLY

CZECH, per, Hátnické Listy, Prague, No 10, Oct
1970, pp 683-587. 687
JPRS/13601

BT AI 9027

Sol-Mat
Dec 70

Improving the Strength Values in Austenitic
CrNi Stainless Steels, by K. Lobl and
M. Zezulova.

CZECH, per. Hutn. Listy, No 10, 1970,
pp 696-703.

BISI 9028

Sep 71

Hot Formability of Low-Carbon Chromium Steels,
by J. Elfmark,
CZECH. per Hutn. Listy, No 10, 1970, pp 704-707
BISI 9029

Aug 71

Effect of Carbon Content and Structure Condition
on Deformation Resistance in Hot Rolling of
Carbon Steels, by J. Pocta,
CZECH, per. Hutn Listy, Vol 25, No 10, 1970,
pp 708-712.
BISI 9502

Nov 71

Protective Atmospheres for Heat Treatment of
High-Grade High-Carbon Steel Strip, by
J. Teindl,
CZECH, per. Hutn. Listy, No 10, 1970, pp 713-
719.
BISI 9030

Aug 71

Methods for Raising the Quality of Pig Iron, by
P. Morcinek.
CZECH, per, Hutn Listy, Vol 25, No 11, 1970, pp 761-
765.
BISI 9229

Nov 71

Dust in Atmosphere of Metallurgical Plants,
by V. Masek,
CZECH, per. Hutn. Listy, Vol 25, No 11, 1970,
pp 766-772.
*BISI 9230

Factors Affecting Internal Inhomogeneities in
Forging Ingots, by B. Sommer,
CZECH, per. Hutn. Listy, No 11, 1970,
pp 777-782.
BISI 9231

NTC 72-60116-13H

Jan 72

Defining the Optimum Procedure in Rolling Slabs
Under Laboratory and Field Conditions,
by Z. Zamyslovsky,
CZECH, per. Hutn. Listy, No 11, 1970, pp 783-
790.
BISI 9232

Feb 72

Intensified Sintering of Siderite Concentrate,
by M. Karbusicky and H. Lvova,
CZECH, per. Hutn. Listy, Vol 12, 1970,
pp 837-840.
BISI 9233

Jan 72

Dependence of Ferrous Oxide in Sinter on
Technological Conditions, by J. Hancl,
CZECH, per. Hutn. Listy, Vol 12, 1970, pp 841-
844.
BISI 9234

Jan 72

Mechanism of Corrosion and Erosion of the Acid
Rammed Lining in Teeming Ladles, by M. Kepka,
CZECH, per. Hutn Listy, No 12, 1970, pp 845-849.
BISI 9235

Feb 72

Effect of Cooling Rate on Mechanical Properties and
Microstructure of a Mn Cr Mo B Bainitic Steel, by
S. Horejs,
CZECH, per, Hutn Listy, Vol 25, No 12, 1970, pp 867-
874.
BISI 9236

Nov 71

How the Control of the Blast Furnace Mechanism
Affects the Specific Consumption of Coke,
by M. Prouza,
CZECH, per. Hutn. Listy, No 1, 1971, pp 1-6.
BISI 9531

HTC 72-60138-134

Jan 72

B. Borsky

Effect of Chemical Analysis of Slag on Steel
Dephosphorization in a Tandem.

CZECH, per, Hutnicke Listy, Vol 36, No 1, 1971,

pp 12-20

NTC 72-60343-11F

sept 72

Establishing the Plastic Properties of Low Alloy
y Weldable Structural Steel, by O. Bohusova,
CZECH, per. Hutn Listy, No 1, 1971, pp 42-50.
BISI 9535

Feb 72

Direct Determination of Oxygen in Liquid Steel,
by L. Brhacek,
CZECH, per. Hutn. Listy, No 2, 1971, pp 87-96.
*BISI 9415

Jul 71

Applying the Production Cost Computation Method to an Actual Arc Furnace Steel Heat,
by V. Kafka,
CZECH, per. Hutn Listy, No 2, 1971, pp 96-101.
BISI 9528

Feb 72

J. Elfmark

Natural Hot Deformation Resistance of CrNi
Steels.

CZECH, per, Hutnické Listy, Vol 26, No 2, 1971,
pp 107-113
NTC 72-60335-11F

sept 72

Effect of the Working Space Shape in Furnaces on
the Calculation of the Loss of Heat Through the
Lining, by M. Redr.

CZECH, per, Hutn. Listy, No 2, 1971, pp 114-118.

BISI 10570

Oct 72

Heat-Resisting Properties of 0.5% Cr-0.5% Mo-0.25% V
Low Alloyed Steel, by V. Foldyna,
CZECH, per. Hutn Listy, No 2, 1971, pp 119-126.
BISI 9530

Oct 72

Quality of Basic Sinter, by M. Prouza,
CZECH, per. Hutn Listy, No 3, 1971, pp 153-157.
BISI 9860

Aug 72

New Method of Determining the Production
Costs of Electric Steelmaking,
by V. Kafka and Z. Buzek,
CZECH, per. Hutn Listy., No 1, 1971, pp 171-
179.
BISI 9862

Aug 72

Steel Mill Production Progress Described,
by Vaclav Kesar, 7 pp.

GOVERNMENT USE ONLY

CZECH, per, Hutnicko Listy, Prague, No 4,
1971, pp 229-231.

JPRS/L 3795

Jun 71

Increase in Hot Metal Production Rate by Enlarge-
ment of Blast Furnace Capacity, by H. Beer.

CZECH, per, Rutn. Listy, No 4, 1971, pp 232-237.

BISI 9853

Oct 72

M. Orlik

Preheating of Coking Coal.

CZECH, per, Hutnicke Listy, Vol 26, No 4, 1971,

pp 238-245

NTC 72-60337-21D

sept 72

Effect of Quality Lime and Pig Iron on the
Tandem Furnace Steelmaking Process,
by V. Vanicek,
CZECH, per. Hutn Listy, No 4, 1971, pp 262-265.
BISI 9855

Aug 72

V. PARMA

Teeming of Rimming Steel into 10-ton Ingots Through
70 mm Diameter Nozzles.

CZECH, per, Hutnicke Listy, Vol 26, No 4, 1971,
pp 266-273.
HB 8526

Nov 72

A. Kalivoda

Effect of Reheating Rate on Carbide Reactions in
Martensite Tempering.

HUTNICKE LISTY, No 4, 1971, pp 288-291

NTC-72-60855-11F

BSI 9857

Feb 1973

Product Quality Improvement Examined,
by Ing Zdenek Medricky, 7 pp.

GOVERNMENT USE ONLY

CZECH, per, Hutnicka Listy, Prague,
No 4, 1971, pp 292-294.

JPRS/L 3795

Jun 71

Analysis of Solid Pig Iron Samples by Means
of a Vacuum Quantometer, by M. Hartl,
CZECH, per. Hutn Listy, No 4, 1971, pp 301-303.
BISI 9858

Jul 72

Contribution to the Problem of Determination of
Sulphur Content in Free-Cutting Steel, by
K. Poljakova.

CZECH, per, Hutn. Listy, No 4, 1971, pp 303-305.
BISI 9859

Oct 72

Expansion of Czechoslovak Metallurgy
Described, 7 pp.
GOVERNMENT USE ONLY
CZECH, per, Hutnicke Listy, Prague, No 5,
May 71, pp 309-311.
JPRS/L 3848

Aug 71

Effect of Width on Non-Uniform Deformation of Rolled
Plates, by M. Endrle.
CZECH, per, Hutn. Listy, Vol 26, No 5, 1971, pp 329-
332.
BISI 10556

Oct 72

Janosikova, V.

Local Steel Analysis Using the LMA 1 Micro-Analyzer.

HUTNICKE LISTY, Vol 26, pp 359-364, 1971.

N-72-14552

NTC-72-14973011F

NASA-TT-F-14,038

Feb 73

Application of Dynamic Programming to an Organ-
isational Model of the Metallurgical Industry,
by J. Lemfeld,
CZECH, per. Hutn Listy, No 6, 1971, pp 382-386.
BISI 9848

Aug 72

Determination of the Sulphur Partition Coefficient Between Iron and Binary Systems of CaF_2 - CaO , CaF_2 - MgO and CaF_2 - BaO Slags,
by J. Kalousek,
CZECH, per. Hutn Listy, =Vol 26, No 6, 1971,
pp 390-395.
BISI 9715

Feb 72

Zidek, A.

Improvement in Magnetic Properties of Electrical
Steel by Means of Modification of Domain Structure.
HUTNICKE LISTY, No 6, pp 425-528, 1971.
BISI-9852

Feb 73

A. Salak

Reduction of Sponge Iron Using a Solid Agent in
Separate Layers.

HUTN. LISTY, No 7, 1971, pp 461-467
BISI 9822

Jan 1973

Processing of Waste Sludges in Sintering Plants,
by Z. Demcik,
CZECH, per. Hutn Listy, No 7, 1971, pp 468-472
BISI 9823

June 72

Roof Jets Employed for Blowing Powdered Substances
into the Bath of Steel-Making Furnaces, by
Z. Jasinsky.

CZECH, per, Hutn Listy, No 7, 1971, pp 473-481.
BISI 9824

Jan 73

Properties of Heat-Treated, Low-Alloy Weldable
Structural Steels With High Yield Values at
Temperatures of up to 450°C, by M. Sicha.
CZECH, per, Hutn. Listy, No 7, 1971, pp 509-513.
BISI 9827

Oct 72